

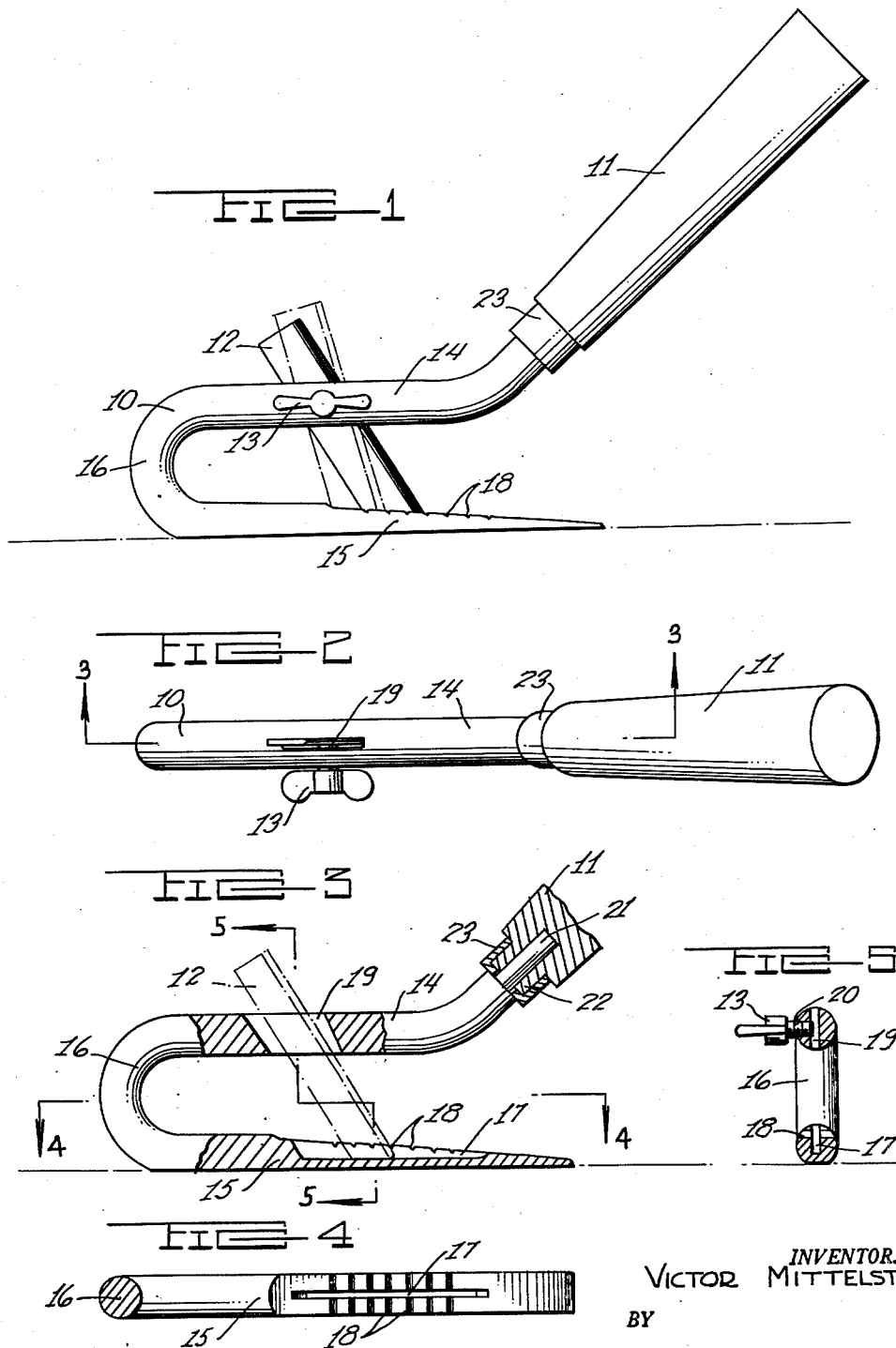
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FABRIC CUTTER

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FABRIC CUTTER

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1 Claim. (Cl. 30—294)

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This invention relates to fabric cutters, and more particularly to a fabric cutter in the form of a hand tool for cutting sheets of fabric, such as canvas, after such sheets have been cemented to a surface, such as a wall or deck, to trim the edges of said sheets for abutting contiguous edges of adjacent sheets.

It is among the objects of the invention to provide an improved fabric cutter in the form of a hand tool using a safety razor blade of known construction for its cutting blade, which tool provides a mounting for the blade such that the blade can be placed in various positions of angular adjustment to the blade-carrying portion of the tool to set the blade at the best positions for various operating conditions, which provides an elongated, tapered finger engageable with the surface on which the fabric is mounted for accurately guiding the tool, and which is strong and durable in construction, economical to manufacture, neat and attractive in appearance, and easy to use.

Other objects and advantages will become apparent from a consideration of the following description and the appended claim in conjunction with the accompanying drawing, wherein:

Figure 1 is a side elevation of a fabric cutting tool illustrative of the invention;

Figure 2 is a top plan view of the tool illustrated in Figure 1;

Figure 3 is a partial cross-sectional view on the line 3—3 of Figure 2;

Figure 4 is a cross-sectional view on the line 4—4 of Figure 3; and

Figure 5 is a cross-sectional view on the line 5—5 of Figure 3.

With continued reference to the drawing, the tool comprises a frame 10 to which is connected a handle 11 and in which is mounted a cutting blade 12 held in position in the frame by a set screw 13.

The frame 10 is a U-shaped structure preferably formed of an elongated rod of circular cross-section and of some suitable material, such as brass or iron. This frame has two spaced-apart, substantially parallel legs 14 and 15 joined at corresponding ends by an arcuately-curved bight 16. The leg 15 is flat on its surface opposite the leg 14 and on its surface adjacent the leg 14, is tapered in a direction toward its outer end and provided with a longitudinally-extending groove 17 and a plurality of indicating marks 18 spaced apart along the groove.

The leg 14 is provided in the portion thereof opposite the end of the groove 17 nearest the bight

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16 of the frame with a through slot 19 which extends obliquely of the leg and opens to the side of leg 14 adjacent leg 15. Leg 14 also has a screw threaded aperture 20 opening into the groove 19.

The blade 12 is a safety razor blade of known construction and is inserted through the slot 19 and rests at one end in the groove 17, and the set screw or thumb screw 13 is threaded through the aperture 20 to bear against the blade 12 and hold the blade in adjusted position relative to the frame legs 14 and 15. The blade may be adjusted to different positions of angularity relative to the frame legs by loosening the screw 13 and shifting said one end of the blade along the groove 17 until the desired angular position is obtained and then tightening the screw. The indicating marks 18 show various angular positions of the blade relative to the frame legs.

The leg 14 is bent near its outer end in a direction away from its outer end of the leg 15 and is provided at its outer end with a tang 21 of reduced size which is received in a well provided in the adjacent end of the handle 11. The handle 11 is an elongated body of suitable material, such as wood, or synthetic resin plastic, of circular cross-section and preferably slightly tapered from its outer end toward its end connected to the leg 14. The end of the handle connected to the leg is provided with a reduced extension 22 and this extension is surrounded by a reinforcing, metallic ferrule 23 to provide a rigid connection between the handle and the frame of the tool.

The invention may be embodied in other specific forms without departing from the spirit or essential characteristics thereof. The present embodiment is, therefore, to be considered in all respects as illustrative and not restrictive, the scope of the invention being indicated by the appended claim rather than by the foregoing description, and all changes which come within the meaning and range of equivalency of the claim are, therefore, intended to be embraced therein.

What is claimed is:

A knife for cutting sheet material comprising a U-shaped frame including a pair of spaced apart and substantially parallel legs and a curved bight portion joining said legs at one end of said frame, one of the said legs tapering in thickness from a location intermediate its length to the distal end thereof and having in the tapered portion thereof a longitudinally extending groove opening to the side of said one leg

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adjacent the other of said legs and said other leg having an obliquely inclined slot extending through the portion thereof opposite the end of said groove nearest said bight portion and opening to the side of said other leg adjacent said one leg, said other leg also having at its distal end a handle-receiving portion inclined in a direction away from said bight portion and said one leg, a handle secured at one end to the handle-receiving portion of said other leg, an elongated blade extending through the slot in said other leg and having one end received in the groove in said one leg, said blade being inclined relative to said legs in a direction away from said one leg and toward the bight portion of said frame and having a cutting edge on its edge remote from said bight portion, and means carried by said other leg and engaging said blade

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holding the latter in selected positions of inclination relative to said legs.

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